

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("4,931,240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 12:50
L2	13	("3647511"   "3895084"   "3944686"   "3949106"   "4178413"   "4318948"   "4396663").PN. OR ("4931240").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 12:50
L3	43	("3317338"   "3379555"   "3692565"   "3725110"   "3829327").PN. OR ("3944686").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 12:59
L4	2	l3 and (gradient)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 13:04
L5	1	("4137627").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:08
L6	1	("20020080558").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:29
L7	1	l6 and (gradient or layers)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:30
L8	0	l6 and (layer with (multiple or plurality))	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:30
L9	1	l6 and (density)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:30
L10	1	("20030054253").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:31
L11	1	("20050233203").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:44
L12	17	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support near2 (layer or material)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:55
L13	7	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support near2 (layer or material))) and battery	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:56
L14	16	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support\$3 near2 (layer or material))) and battery	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:57

L15	18	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material))) and battery	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 14:57
L16	1	("20060099507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 15:01
L17	1	("20050118504").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 15:06
L18	86	@pd<"20030715" and (anode or cathode or electrode) and (carbon) same "no binder"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 15:07
L19	16	@pd<"20030715" and (anode or cathode or electrode) and ((carbon) same "no binder") and (gradient or (multiple near2 layers) or (plurality near2 layers))	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 15:09
L20	35	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 15:20
L21	17	@pd<"20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material))) not I15	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/30 15:20
S1	10814	(electrode same substrate same carbon) and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:35
S2	1796	(electrode with substrate with carbon).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:36
S3	163	(electrode with substrate with carbon with (rod or sponge or fiber or network)).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:36
S4	34	((fuel cell or batter\$4) with electrode with substrate with carbon with (rod or sponge or fiber or network)).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:38

S5	4	"4292318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:46
S6	0	(Layered carbon electrodes for use in, for example, Capacitive Deionization).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:47
S7	3	(Layered carbon electrodes).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:48
S8	0	((fuel cell or batter\$4) with electrode with substrate with carbon with (rod or sponge or fiber or network) with (without binder)).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:50
S9	0	((fuel cell or batter\$4) same (carbon material deposited on substrate)).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:58
S10	4	((fuel cell or batter\$4) same (carbon with material with deposited with substrate)).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 15:58
S11	2	((fuel cell or batter\$4) same (carbon with material with deposited with substrate)).ab. and (fiber or rod or sponge or network or three-dimensional or 3-D) and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 16:04
S12	27	((fuel cell or batter\$4) same (carbon with material with deposited with substrate))and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 16:11
S13	0	((fuel cell or batter\$4) same (carbon with deposit \$5 with substrate with (platinum particles or palladium particles))).ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 16:13

S14	3	((fuel cell or batter\$4) same (carbon with deposit \$5 with substrate with (platinum or pt or palladium or pd or ruthenium or ru))) .ab. and @pd<"20040715"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 16:14
S15	0	"140" mesh particle diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/18 15:32
S16	109	"140" mesh with diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/18 15:32
S17	10	"140" mesh with average diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/18 15:32
S18	1	@pd<"20030715" and (electrode active with diameter with optimiz\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/18 16:01
S19	1	"3281819"	JPO; DERWENT	ADJ	ON	2010/04/09 11:17
S20	2	"11250900"	JPO; DERWENT	ADJ	ON	2010/04/09 11:17
S21	1	"60235419"	JPO; DERWENT	ADJ	ON	2010/04/09 11:17
S22	26	@pd<"20040715" and (current collect\$3 same (carbon or graphite) same ("no binder"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 11:19
S23	5	@pd<"20040715" and (current collect\$3 same (carbon or graphite) same ("no binder")) and ((carbon or graphite) same density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 11:19
S24	13	@pd<"20040715" and (current collect\$3 same (carbon or graphite) same ("no binder")) and ((carbon or graphite or electrode) same (pores or porosity or porous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 11:31
S25	0	@pd<"20040715" and (electrode active material with gradient with (porosity or density or porous or pores))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 11:38
S26	0	@pd<"20040715" and (electroactive material with gradient with (porosity or density or porous or pores))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 11:38

S31	327	@pd<"20040715" and ((electroactive material or active material or carbon) with gradient with (density or pores or porous or porosity or void))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/12 13:55
S32	3	@pd<"20040715" and ((electroactive material or active material or carbon) with gradient with (density or pores or porous or porosity or void)) and (carbon with (active material or electroactive material))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/12 13:56
S33	36	("3423247").URPN.	USPAT	ADJ	ON	2010/04/12 14:01
S34	0	("200200283380").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/12 14:02
S35	1	("200200283380").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/12 14:02
S36	1	("20020080558").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 18:59
S37	1	S36 and binder	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/15 19:01
S38	1	S36 and (density or porosity or porous or pores)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/15 19:02
S39	1	("20030054253").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 19:02
S40	0	60-235419	JPO; DERWENT	ADJ	ON	2010/10/15 19:03
S41	2	"60235419"	JPO; DERWENT	ADJ	ON	2010/10/15 19:03
S42	2	"07320987"	JPO; DERWENT	ADJ	ON	2010/10/15 19:04
S43	2	"11250900"	JPO; DERWENT	ADJ	ON	2010/10/15 19:05
S44	1	"3281819"	JPO; DERWENT	ADJ	ON	2010/10/15 19:06
S45	3	"2002358965"	JPO; DERWENT	ADJ	ON	2010/10/15 19:07
S46	2	"2003137547"	JPO; DERWENT	ADJ	ON	2010/10/15 19:07
S47	2	"2003176133"	JPO; DERWENT	ADJ	ON	2010/10/15 19:08
S48	2	"4931240"	JPO; DERWENT	ADJ	ON	2010/10/15 19:10

S49	1	("4931240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 19:10
S50	13	("3647511"   "3895084"   "3944686"   "3949106"   "4178413"   "4318948"   "4396663").PN. OR ("4931240").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/15 19:10
S51	1	("20020028380").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 19:14
S52	3	("2002/0028380").URPN.	USPAT	ADJ	ON	2010/10/15 19:14
S53	4	(current collect\$3 with deposit\$3 with carbon same (binder near3 ("no" or "without" or lack\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 19:16
S54	352	(current collect\$3 with deposit\$3 with carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 19:18
S55	35	(current collect\$3 with vapor deposit\$3 with carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 19:18
S56	14	(current collect\$3 with vapor deposit\$3 with carbon) and @pd< "20040715"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 19:19
S57	7	(current collect\$3 with vapor deposit\$3 with carbon) and @pd< "20040715" and (density)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 19:20
S58	1	("20020028380").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 19:39
S59	1	("20030122983").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/15 20:35
S60	1	("4931240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/26 14:13
S61	1	S60 and (anode or negative)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/26 14:14

## EAST Search History (Interference)

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**8/30/2011 4:03:49 PM**

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